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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-LNP-PMC-2014-15 **Date:** 10.07.2014

Aggregate Impact Value
IS: 2386 Part IV

Client	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency	**Sri.L.Nithyananda Prabhu,** Contractor, Bangalore.
Name of the Work	Providing and Laying HDPE Water Line in HMT Layout Block-II in JP Park, Ward No.17.
Reference	EE/RRND/Wo.No/219/2013-14 Dated:05.02.2014
Location	At Site
Type of Mix	Wet Mix macadam
Date of Testing	10.07.2014

Sl No.	Details	Trial No. 1	Trial No. 2	Trial No. 3	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	382	378	380	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	84	88	90	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	298	290	290	
4	Aggregate Impact value = percent fines $100^* (W_2/W_1)\%$	21.99	23.28	23.68	22.98

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

Note:

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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-LNP-PMC-2017-18 Date : 10.07.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.

Agency : **Sri.L.Nithyananda Prabhu,** Contractor, Bangalore.

Name of Work : Providing and Laying HDPE Water Line in HMT Layout Block-II in JP Park, Ward No.17.

Reference : EE/RRND/Wo.No/219/2013-14 Dated:05.02.2014

Date of Testing : 10.07.2014

Material Type : Wet Mix Macadam

Sample Location : At Site Oven Dry Wt (gm): **13263**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	455	455	3.4	96.6	95-100
22.4	4587	5042	38.0	62.0	60-80
11.2	2368	7410	55.9	44.1	40-60
4.75	1974	9384	70.8	29.2	25-40
2.36	1432	10816	81.6	18.4	15-30
0.600	1287	12103	91.3	8.7	8-22
0.075	850	12953	97.7	2.3	0-5

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Job No.: CECTC-LNP-PMC-2017-18 Date : 10.07.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.

Agency : **Sri.L.Nithyananda Prabhu,** Contractor, Bangalore.

Name of Work : Providing and Laying HDPE Water Line in HMT Layout Block-II in JP Park, Ward No.17.

Reference : EE/RRND/Wo.No/219/2013-14 Dated:05.02.2014

Date of Testing : 10.07.2014

Material Type : Wet Mix Macadam

Sample Location : At Site Oven Dry Wt (gm): **12494**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	460	460	3.7	96.3	95-100
22.4	4362	4822	38.6	61.4	60-80
11.2	2234	7056	56.5	43.5	40-60
4.75	1748	8804	70.5	29.5	25-40
2.36	1362	10166	81.4	18.6	15-30
0.600	1198	11364	91.0	9.0	8-22
0.075	820	12184	97.5	2.5	0-5

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Job No.:CECTC-LNP-PMC-2014-15 Date: 10.07.2014

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency	**Sri.L.Nithyananda Prabhu,** Contractor, Bangalore.
Name of Work	Providing and Laying HDPE Water Line in HMT Layout Block-II in JP Park, Ward No.17.
Reference	EE/RRND/Wo.No/219/2013-14 Dated:05.02.2014
Technical Reference	IS 2386(Part 1) 1963 (RA 2007)
Type of Mix	Wet Mix Macadam
Date of Testing	10.07.2014

Result : Flakiness Index = **14.65%**

Elongation Index = **10.78%**

Result : Combined Flakiness & Elongation index **25.43%**

Comments:

→ Maximum allowable Flakiness & Elongation Index for Bituminous concrete is 30%

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Job No.:CECTC-LNP-PMC-2014-15 Date: 10.07.2014

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency	**Sri.L.Nithyananda Prabhu,** Contractor, Bangalore.
Name of Work	Providing and Laying HDPE Water Line in HMT Layout Block-II in JP Park, Ward No.17.
Reference	EE/RRND/Wo.No/219/2013-14 Dated:05.02.2014
Technical Reference	IS 2386(Part 1) 1963 (RA 2007)
Type of Mix	Wet Mix Macadam
Date of Testing	10.07.2014

Result : Flakiness Index = **15.32%**

Elongation Index = **10.78%**

Result : Combined Flakiness & Elongation index **26.10%**

Comments:

→ Maximum allowable Flakiness & Elongation Index for Bituminous concrete is 30%

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